



024-US1-Sequence Listing.ST25.txt
SEQUENCE LISTING

<110> Quark Biotech Inc.

<120> Genes involved in stroke response and/or regulated by FK506, proteins encoded thereby, and methods of use

<130> 65542/024-US1

<140> 10/021338

<141> 2001-12-12

<160> 131

<170> PatentIn version 3.1

<210> 1

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1

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acctgctctg gccacacctc ctctgcaggc ccttcctctc ccgcctgcct cattccctgg      180
gcaggcccct ttctcaccct ctgcctcact cccaatgtct cctttggcca cgcctcctcc      240
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<210> 2

<211> 280

<212> DNA

<213> Homo sapiens

<400> 2

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gaggcaagta gttgcagggt ccaggtaaca taatgagctc caccttggtg atcactctga      180
gtagacaatg ctcaaaaaaa cagagcacca cataatgtat caaccctaac agtcaccctt      240
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<210> 3

<211> 261

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<212> DNA

<213> Homo sapiens

<400> 3

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ttttatctca cttatgataa aatccaaaac tcacagcata gccactctcc ccaaagcata	180
ctatgcttta accacactgg tctttcctaa aagtttctcc tattccccaa tctttcttcc	240
ttactctaag gtagttagtt a	261

<210> 4

<211> 261

<212> DNA

<213> Homo sapiens

<400> 4

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aggggtggta aaaggagcaa gcagaagcaa aaaggaattt tcctctaaaa acagaattgc	180
tgaaaggcac ttaatagagg gatagggggc agacacggtg gtcacacct ataatcccag	240
tactttaata ggaagaggct g	261

<210> 5

<211> 110

<212> DNA

<213> Homo sapiens

<400> 5

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<210> 6

<211> 256

<212> DNA

<213> Homo sapiens

<400> 6

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cttgggaaac tagcattcac agccagtgcc tctacagaga aggaagcata agcatttaga	180
aagatagttc tcctgactct agggggccac tggtaataac aatctcagtt tctgaggctt	240
tccagtttct ggatcc	256

<210> 7
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 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(500)
 <223> n

<400> 7	
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cagaaagctg gtaagagctg cagagaggca gtgtttatta gattcacact tagacactga	120
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tgactaaagt gcagngtctc acataggcta agcaagtgtc gtgcactgag ttgaacccca	300
gcagaagtag gtgctgcaag tgtaaaacaa ggctaaaggg cctaatagcac acagcctgtg	360
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<210> 8
 <211> 401
 <212> DNA
 <213> Rattus sp.

<400> 8	
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ttgtgggttc tggcttagct cttttataat tgtacagcta ttttttgct gctttgtaat	180
aggataattc ttaagcatca tcttaacata gaggtatattt gcttcttttt tgtggcgctt	240
gacattaagt gcagcctctc acataggcta agcaagtgtc gcgcacttga gtgaactgca	300
gcagaagtag tcgctgcacg tgtaaaacaa ggctacagat tctaatagcac acagcctgtg	360

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cagaccgcgt gtccaccgtc tataaggcat ggctataacg g 401

<210> 9
<211> 402
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (1)..(500)
<223> n

<400> 9
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acaaaatacc tctattttta gatgatgctt aagaattatc ctattacaaa gcagcanaaa 240
tataacttta caattataaa agagctaaac caggaccac aatcagtgtc taagtgtgaa 300
tctaataaac actgcctctc tgcagctctt accagctttc tgggttggtta cacacactca 360
cacacgcgca cacacacaca cacgcgctcc ctcctactga gg 402

<210> 10
<211> 410
<212> DNA
<213> Rattus sp.

<400> 10
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taggcgagcc cttgcataga gcgttatctc agtgctccat tccagtccctg actccctgtg 180
gccattgaga ctttggtttt aagaactcac attgctaggg agaggggctt tgctgggaaa 240
ggtgactcct ctgtaacctg gcctcttggtg ctcctccatg acagaaatgc tgggtggagt 300
tttacatttg ccaatggcca gcttgatgaat atcttcatat acactttcta ttcattgttac 360
tgtagtttct gttttgaaat aaaacttctg aatgtaaaaa aaaaaaaaaa 410

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<210> 11
<211> 242
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (1)..(500)
<223> n

<400> 11
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gcagtccagg cacaccctgt gtgcagagtc ggccatgctt tgggaggggtg tcaggaaaga 120
gtcattttact ttgactgcct gtgggctgac ttcagaactt caggtcttaa ggtttgctgg 180
cttctgaaaa cactttctaa agagcccatg aaatataaat ataactaact tagaaagccc 240
tg 242

<210> 12
<211> 69
<212> DNA
<213> Rattus sp.

<400> 12
tttttttttt tttttttttt tttttaaaaa ttcaaggatg ggggttaaagg gggaattccc 60
gggggggggg 69

<210> 13
<211> 165
<212> DNA
<213> Rattus sp.

<400> 13
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cttgacatgc tgtatatatt ctattgtatt tgtttcattg tcccacactt aactcaggtg 120
tgctaaaaat aaaagtaaatt tttaacagtc aaaaaaaaaa aaaaa 165

<210> 14
<211> 172
<212> DNA
<213> Rattus sp.

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<400> 14
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 gggggaacaa tgaaacaaat ccaatagaat ttttacagca tgtaaaggag gcaggtttaa 120
 aagccatgct ataaaaaaga gaaaactgga aggcaggtac gccgtaccgg gc 172

<210> 15
 <211> 157
 <212> DNA
 <213> Rattus sp.

<400> 15
 ctgcctccca gtcttctctt ttctatagca tggctttaaa gcctgcctcc ttgacatgct 60
 gtatatattc tattgtatct gtttcattgt cccacactta actcaggtgt gctaaaaata 120
 aaagtaaatt ttaacagtca aaaaaaaaaa aaaaagg 157

<210> 16
 <211> 209
 <212> DNA
 <213> Rattus sp.

<400> 16
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 agaaaactga ggagacagat cagctactat cgtagccatt acagctgaag agattcaaaa 120
 ttggaaggca ctaactgatt gcgttaagac gcattctatc aagggttatca tagatgaaag 180
 atcatagaaa ctggaaggca taaactgag 209

<210> 17
 <211> 323
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(323)
 <223> n

<400> 17
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 agaaaactga ggagacagat cagctactat cgaagccatt acagctggag agatacttac 120

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tggaagccg ctaactgatt gcgttacgtc gaaatgtatc aagggtatca tagatgagag	180
atcatagaaa ctgctaggca tacactgagc attaagctta tcgacaccgt ggagctcgag	240
gtgagtccac gcaccagctg tgggaccgtg tagggactgn tacctacgag catggcgaga	300
tcataggcat agnntngtan tca	323

<210> 18
 <211> 159
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(160)
 <223> n

<400> 18	
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aaagtaaatt ttaacagtca aaaaaaaaaa aaaaaaagg	159

<210> 19
 <211> 162
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(500)
 <223> n

<400> 19	
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gacatgctgt atatattcta ttgtatttgt ttcattgtcc cacacttaac tcaggtgtgc	120
taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aa	162

<210> 20
 <211> 142
 <212> DNA
 <213> Rattus sp.

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<220>
<221> misc_feature
<222> (1)..(500)
<223> n

<400> 20
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aacagtcaaa aaaaaaaaaa aa                                              142

<210> 21
<211> 162
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (1)..(500)
<223> n

<400> 21
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gacatgcntg atatattcta ttggatttgt ttcattgtcc cacacttaac tcaggtgtgc      120
taaaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa ag                      162

<210> 22
<211> 159
<212> DNA
<213> Rattus sp.

<400> 22
cgacgaacct gcctcccagt cttctctttt ctatagcatg gcttttaaagc ctgcctcctt      60
gacatgctgt atatattcta ttgtatttgt ttcattgtcc cacacttaac tcaggtgtgc      120
taaaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa                      159

<210> 23
<211> 163
<212> DNA
<213> Rattus sp.

<400> 23

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 ccttgacatg ctgtatatat tctattgtat ttgtttcatt gtcccacact taactcaggt 120
 gtgctaaaaa taaaagtaaa ttttaacagt caaaaaaaaaaaa aaa 163

<210> 24
 <211> 106
 <212> DNA
 <213> Rattus sp.

<400> 24
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 tagagaaaca agtaaatttt cttagagaat gaaaaaaaaa aaaaaa 106

<210> 25
 <211> 176
 <212> DNA
 <213> Rattus sp.

<400> 25
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 tgcacagatg tgttccattt ccctattttt gctgtagaga aacaagtaaa ttttcttaga 120
 gaatgaaaaa aaaaaaaaaa at agggcgcgcc tttaaaacgg ttccgatttt tgggcc 176

<210> 26
 <211> 163
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(600)
 <223> n

<400> 26
 acgacgaccc tgcctcccag tcttctcttt tctatagcat ggctttaag cctgcctcct 60
 tgacatgctn gatatatctt attggatttg tttcattgtc ccacacttaa ctcaggtgtg 120
 ctaaaaataa aagtaaattt taacggtcaa aaaaaaaaaa aaa 163

<210> 27
 <211> 109

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<212> DNA

<213> Rattus sp.

<400> 27

gatctgagac ccacttttgca gacatgtgca cagatgtggt ccatttccct atttctgctg 60

tagagaaaca agtaaatttt cttagagaat gaaaaaaaaa aaaaaaaaaa 109

<210> 28

<211> 121

<212> DNA

<213> Rattus sp.

<400> 28

ggcgacgtac ctgcgatctg agaccactt tgcagacatg tgcacagatg tgttccattt 60

ccctatttct gctgtagaga aacaagtaaa ttttcttaga gaatgaaaaa aaaaaaaaaa 120

a 121

<210> 29

<211> 127

<212> DNA

<213> Rattus sp.

<400> 29

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gggaaatgga acacatttgg gcacatgttt gcaaaggggg tctaaaatcg caggtagctg 120

gtaccgg 127

<210> 30

<211> 225

<212> DNA

<213> Rattus sp.

<400> 30

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aaactcatcc agtgttggag atctccataa taccttccat ctttggacc atgccttgga 120

tggagacaga cactactgga gaaaggggct gcttaccoca gagagaatac tacctaaatg 180

ctgctacatc agagactatc catgacgagc atctcatata aggat 225

<210> 31

<211> 451

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<212> DNA

<213> Rattus sp.

<400> 31

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ctggagaaaag gggctgcttt cccagagag aatactacct aaatgctggt tcatcagaga	180
atatccatga agagcatctc agataaggat tgaaaagggg gtgctgggta gagtatagta	240
gaggaggact tgttaagttc actgatgctg ggaagaaact tcctgtaatg cctacagcat	300
tccatgggcc atagagtacc aatatggtat gcctctttac agagtcaatc tcagccccc	360
gaaagtgtat tctactgtgc tcaggcccaa aggcagtgtg gtgggtcaaag ggcaactggc	420
ctcctgaacc cagtagagcc ttgcaaagtg c	451

<210> 32

<211> 505

<212> DNA

<213> Rattus sp.

<400> 32

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atggagacag acactactgg agaaaggggc tgctttcccc agagagaata ctacctaaat	180
gctgggttcat cagagaatat ccatgaagag catctcagat aaggattgaa aagggggtgc	240
tgggtagagt atagtagagg aggacttgtt aagttcactg atgctgggaa gaaacttctt	300
gtaatgccta cagcattcca tgggccatag agtaccaata tgggtatgcct ctttacagag	360
tcaatctcag cccccagaaa gtgtattcta ctgtgctcag gcccaaaggc agtgtggtgg	420
tcaaagggca actggcctcc tgaaccaga agagccttgc aaagtgctgg cagtcaggga	480
ggtgccatac atgattcttg tcttt	505

<210> 33

<211> 402

<212> DNA

<213> Rattus sp.

<400> 33

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ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc    120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa      180
acaaaatacc tctattttta gatgatgctt aagaattatc ctaattcaaa gcagcaaaaa      240
tataacttta caattataaa agagctaaac cagaaccac aatcagtgtc taagtgtgaa      300
tctaataaac actgcctctc tgcagctctt accagctttc tggggttgta cacacactca      360
cacacgcgca cacacacaca cacgcgctcc ctccactga gg                          402

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<210> 34
<211> 294
<212> DNA
<213> Rattus sp.

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<400> 34
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aaaccttact ggaaaggccg ggggacaaaa ccatggtttc aaccggacca cttgttacca      180
aggtgggggc cccaagaggg cttcaggggg gggggggggc cttttaaaga aagcggggaa      240
tggggggggc aaaccttggg cccacctttg acccccttga aaaaaaaaaa aaaa          294

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<210> 35
<211> 286
<212> DNA
<213> Rattus sp.

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<400> 35
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atattctatt gtatttggtt cattgtccca cacttaactc aggtgtgcta aaaataaaag      120
taaattttta cagtcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggaa      180
aaaaaaaaaa aaaggggccc ccctttaaaa ggggtcccaa ttttgggccc cctttttgaa      240
aaaacttttt tttaaaaccc ccggggggat taaatttttt tggggg                    286

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<210> 36
<211> 203
<212> DNA

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<213> Rattus sp.

<400> 36

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agtgggcctg tgagtgcaga atcattagtg cagatgtgtg tagtgggcct gtgagtgcag	120
gcacattagt gcagaggtgt gaagtgggcc tgtcagtgc ggcacattag tggagaggtg	180
tgaagtgggc ctgtgagtgc agg	203

<210> 37

<211> 147

<212> DNA

<213> Rattus sp.

<400> 37

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accctggggg gggggtttgg tggggggggc ccccttaaaa ataccccgga ggtcaagggg	120
gttcaaaaact ttttttaaaa ggctggg	147

<210> 38

<211> 360

<212> DNA

<213> Rattus sp.

<400> 38

ccttttttctc ccccatgga agcgaagact ctgaacacag agtgggtctgt attgtgggggt	60
tggggggttgc ctccctatcg ctgggtagcc tgaagcgtga gtccagacta gacgtgtgag	120
gggaatgatc tatgccgtgc tcgaatagct gggaggtccc tttgtccctg agaccagaac	180
gggaaatggg tatccgcact gggaagctgc ctctcaagta gaaactgcca gataactttc	240
tgggctggga attctgtcaa ctttaactgaa gcctggcagc atccgcccc aagcaattta	300
aattagggag agtcctgggc tgtcccaggt gcccttaggt aaacttgaca gactgctgag	360

<210> 39

<211> 151

<212> DNA

<213> Rattus sp.

<400> 39

ctcccagtct tctcttttct atagcatggc tttaaagcct gcctccttga catgctgtat	60
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atattctatt gtatttggtt cattgtccca cacttaactc aggtgtgcta aaaataaaag 120
 taaattttaa cagtcaaaaa aaaaaaaaaa a 151

<210> 40
 <211> 163
 <212> DNA
 <213> Rattus sp.

<400> 40
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 gacatgctgt atatattcta ttgtatttgt ttcattgtcc cacacttaac tcaggtgtgc 120
 taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aaa 163

<210> 41
 <211> 77
 <212> DNA
 <213> Rattus sp.

<400> 41
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 aaaaaaaaaa aaaaagg 77

<210> 42
 <211> 204
 <212> DNA
 <213> Rattus sp.

<400> 42
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 cagaaagctg gtaagagctg cagagaggca gtgtttatta gattcacact tagacactga 120
 ttgtgggttc tggtttagct cttttataag tgtaaagcta tatttttgct gctttggaat 180
 aggataattc ttaagcatca tctt 204

<210> 43
 <211> 498
 <212> DNA
 <213> Rattus sp.

<400> 43
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aatggatagc cagtgttcta tataggaatc attgcttttc agagggctta aagtttaagt	180
agaaaatata tactcaagaa ggcgataaaa gctgatgaga aagtgagtta gcagaaccca	240
aagccgtgct gggccgcggt gactcattag cagaggagga ggggagggca gtatattcct	300
gggatactct ctccagaccc agcctggctt ctgacatcat ccacctgtgc cctcaaaacc	360
gtcttagtct gttctgcaac tcttaagtga catacctaac tcagctcatg gctaaggaaa	420
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acaaactgca tccccagc	498

<210> 44
 <211> 400
 <212> DNA
 <213> Rattus sp.

<400> 44	
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ggcccttttag ccttgtttta cacttgcagc acctacttct gctggagctc aactcagtgc	120
acagcacttg cttagcctat gagagaccct gcacttaatg cccagcacca caaaaaagaa	180
acaaaatacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa	240
tataacttta caattataaa agagctaaac cagaaccac aatcagtgtc taagtgtgaa	300
tctaataaac actgcctctc tgcagctctt accagctttc tggattgtta cacacactca	360
cacacgcgca cacacacaca cgcgctccct cctactgagg	400

<210> 45
 <211> 209
 <212> DNA
 <213> Rattus sp.

<400> 45	
cctcagtagg agggagcgcg tgtgtgtgtg tgtgcgctg tgtgagtgtg tgtaacaacc	60
cagaaagctg gtaagagctg cagagaggca gtgtttatta gattcacact tagacactga	120
ttgtgggttc tggtttagct cttttataat tgtaaagtta ttttttgct gctttgtaat	180
aggataattc ttaagcatca tcttaaaat	209

024-US1-Sequence Listing.ST25.txt

<210> 46
<211> 403
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (1)..(600)
<223> n

<400> 46
ctttaatagt catggcctta tagacggtgg ccacgcggcc tgcacaggct gtgtgcatta 60
ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc 120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa 180
acaaaatacc tctatttttaa gatgatgctt aaagaattat cctattacaa agcagcaaaa 240
atataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga 300
atctaataaa cactgcctct ctgcagctct taccagctnt ctgngttggt acacacactc 360
acacacgcgc acacacacac acacgcgctc cctcctactg agg 403

<210> 47
<211> 404
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (1)..(600)
<223> n

<400> 47
cctcagtagg agggagcgcg tgtgtgtgtg tgtgcgcgtg tgtgagtgtg tgtaacaacc 60
cagaaagctg gtaagagctg cagagaggca gtgtttatta gattcacact tagacactga 120
ttgtgggttc tggtttagct cttttataat tgtaaagtta tatttttgct gctttgtaat 180
aggataattc ttaagcatca tcttaaaata gagggtatTT ttgttctttt ttgtggtgct 240
gggcattaag tgcagggtct cacataggct aagcaagtgc tgtgcactga gttgaacccc 300
agcagaagta ggtgctgcaa gtgtaaaaca aggctaaagg gctaatagcac actagctgtg 360

caggccgcgt ggtcatcgtc tataangcca tggctaataa agtt 404

<210> 48
 <211> 403
 <212> DNA
 <213> Rattus sp.

<400> 48
 cttaaatagc catggcctta tagacggtgg ccacgcggcc tgcacaggct gtgtgcatta 60
 ggcccttttag ccttgtttta cacttgcagc acctacttct gctgggggttc aactcagtgc 120
 acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa 180
 aaaaaatacc tctatttttaa gatgatgctt aaagattaat cctattacaa agcagcaaaa 240
 atataacttt acaattataa aagagctaaa ccagaaccca caatcagtgt ctaagtgtga 300
 atctaataaa cactgcctct ctgcagctct taccagcttt ctgggttggt acacacactc 360
 acacacgcgc acacacacac acacgcgctc cctcctactg agg 403

<210> 49
 <211> 433
 <212> DNA
 <213> Rattus sp.

<400> 49
 ctggcacctc attgccaaga ctgtccattc caatatttag ttcgccaagc ttttgaatag 60
 acctattaag gaattgctca gtaagattct gctgctgac aggaccgtcc tcttggttca 120
 cacctccttc aagtaacatc tgctgggtata tctgccgctg ttgctccttc tgttcgagat 180
 gctgctgata gcgcaatctt tgcctataat attcttgaaa ttgttcagta gaatctcgaa 240
 gctcgttttt ttcttggtgt ttagctggaa ctgggttctg tgctccattt gcaggctctt 300
 tctetaaccc cgaaccctgg cacatgggtt caatgctcac aggctgctgg gtctcaacag 360
 gggtatcact tcgctcagga gattcttcat agatactatg acactctgta ttctcaagca 420
 gaagacttct gct 433

<210> 50
 <211> 262
 <212> DNA
 <213> Rattus sp.

024-US1-Sequence Listing.ST25.txt

<400> 50
cgaggaccag cacagcagtg aggaggagga agaagaggaa gaggaggagg agagtgaaga 60
cggggaggag gaggaggaca tcaccagtgc cgagtcagag agcagtgagg aggaggaagg 120
cggccccggg gacggccaga acaccacccg gcagcagcag ctagaatggg actactccac 180
actcagctac taaacacgcg ctcgcccagc acctgctctc cagactctcc cagccatctt 240
ccagccccac ggggtccacga tg 262

<210> 51
<211> 262
<212> DNA
<213> Rattus sp.

<400> 51
cgaggaccag cacagcagtg aggaggagga agaagaggaa gaggaggagg agagtgaaga 60
cggggaggag gaggaggaca tcaccagtgc cgagtcagag agcagtgagg aggaggaagg 120
cggccccggg gacggccaga acaccacccg gcagcagcag ctagaatggg actactccac 180
actcagctac taaacacgcg ctcgcccagc acctgctctc cagactctcc cagccatctt 240
ccagccccac ggggtccacga tg 262

<210> 52
<211> 388
<212> DNA
<213> Rattus sp.

<400> 52
cttcttgatg atgcgtaaca tgttctggta ggagttccaa gtgttgtgag ccaccaggag 60
atcatggctg ccgggcagca gcttgatgag ggcagagcac gaaccggagc ccacggaagg 120
cttggtgttg gtcttattca gggctggctc taggtcttcc agatctccag agatctgcag 180
caggaggaac cccaagggtt tgatgttgaa cctcccagtt gggaaggtta aacggccttc 240
atagctgtcc tccaggcctt tcagctgcaa gagggtcagc cgcacctggg gccagtatgg 300
cgagtccggg ctaagctcca ttccctctg catccactcc aggttggcct ccaggaagct 360
cttgagcttc tcacagtagc cgacttcg 388

<210> 53
<211> 164

024-US1-Sequence Listing.ST25.txt

<212> DNA

<213> Rattus sp.

<400> 53

cgacgaccct gcctcccagt cttctctttt ctatagcatg gcttttaaagc ctgcctcctt 60

gacatgctgt atatattcta ttgtatttgt ttcattgtcc cacacttaac tcaggtgtgc 120

taaaaataaa agtaaatttt aacagtcaaa aaaaaaaaaa aaag 164

<210> 54

<211> 150

<212> DNA

<213> Rattus sp.

<400> 54

gcggccgccc gggcaggtcg ctccgcgtgt ttggtggggg tacttttccc acttcgcgac 60

gtttgccctg ggcagctcag aagtgttacg tgttgcaccc tccccaaggc tgtcaacagc 120

agaaagcaac ccctggcgct agcccgtatt 150

<210> 55

<211> 99

<212> DNA

<213> Rattus sp.

<400> 55

catgaaaata acggagcctc gaaagctata acagaccttt tgtacataga gaaatggcat 60

atztatataa taagttggat ttgtaaaaaa aaaaaaaaaa 99

<210> 56

<211> 357

<212> DNA

<213> Rattus sp.

<400> 56

ggaggcggag gatgagtgcc aacaccctcg actgcctgct ctaggcgatg aggttataga 60

aagggaagag tttcaggata tggctgtgtg tgtagggggc atgaaggcag gttataaaca 120

aatatatccc agctgcctaa ggagttgggt gctgtcctca ctcttaacaa tccagtggga 180

tctagtgate aacatcagtt tggagactct aatcttcatt ctcattgtatt catcctgaca 240

ttttaacttg ctattctgtg tgaccgaata cttgttatac ctagaatacg acctaaagtgc 300

cttctgattt ctcattgattt cttttcaaac aggggtctaag tcattctactt gcattttt 357

024-US1-Sequence Listing.ST25.txt

<210> 57
 <211> 409
 <212> DNA
 <213> Rattus sp.

<400> 57
 ggaggcggag gatgagtgcc aacaccctcg actgcctgct ctaggcgatg aggttataga 60
 aagggaagag tttcaggata tggctgtgtg ttagggggc atgaaggcag gttataaaca 120
 aatatatccc agctgcctaa ggagttggtt gctgtcctca ctcttaacaa tccagtggga 180
 tctagtgatc aacatcagtt tggagactct aatcttcatg ctcatgtatt catcctgaca 240
 ttttaacttg ctattctgtg tgaccgaata cttgttatac ctagaatacg acctaagtgc 300
 cttctgattt ctcatgattt cttttcaaac agggctaaag tcatctactt gcattttgcc 360
 agaagctctc cggaaaacaa agcatacaaa atctacttgc tatttctct 409

<210> 58
 <211> 454
 <212> DNA
 <213> Rattus sp.

<400> 58
 caaggctaca ggcctaggcc tagggataca acagcgaagg aaccactctg gtctcagccc 60
 aagcagcaca gctggagcgc agctctcttc tcgctttcat ctttacggag acttgggtgg 120
 aagggcgggc cctttgacat ctttgtcgtc ggccttggac tcagagatgg ccagcttatt 180
 ctgcaggag gagcagcagct ggaggtagct ctggttcctc tgcagcttct cctgctcctg 240
 tcctgcttgc tgcttcaagg tttcaagttc ctggtgagaa ccatcaagct tctccagagc 300
 tctcttccgg cgtctcttga cctcagcaga aatctttgtc agattctgca aacgcttctg 360
 ctgcagcacc cactgcttct gagctaactg cagtttctcc tcaaggactc gcttcttagc 420
 ctcaagttgc tcaaaagcct tctgaagctc ggcg 454

<210> 59
 <211> 122
 <212> DNA
 <213> Rattus sp.

<400> 59

024-US1-Sequence Listing.ST25.txt

tttttttttt tttttttttt tttccctttg ggagggtttt ttcaaaaacc ccggaaaaat	60
tggccctggt tccggggggg ttttgaaaaa ataaaaacgg gaactaaccg ggggggggga	120
aa	122

<210> 60
 <211> 122
 <212> DNA
 <213> Rattus sp.

<400> 60	
tttttttttt tttttttttt ttttcctttg ggagggttatt ttcaaaaagc ccggaaaaat	60
tggccctggt ttcggggggg ttttgaaaaa ccaaaaacgg gaaccaaccg ggggggggga	120
aa	122

<210> 61
 <211> 671
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(800)
 <223> n

<400> 61	
ggagagaatg gaggaggcgg tcatgtcaat tctgcacaac ttagagatga agaacactga	60
gatccatgag aacaaccgta aggtgaagaa ggagattacc ttctctagaa acctgctcag	120
ccagctcctg atggagaaca catgtaggaa gaagttgctc ccaactgaagc aggagagcaa	180
ggagggacat cttgagtgtg caatgaacca gaaatatttg gttgacttca acaagaaaga	240
taaagaccag caacctccag acccagcatc atcaggtctc agaaagtgca agagagctgg	300
aattggacac acagcagtaa gagagcttcc tgaagaataa gttgctttct cacgagtccc	360
tgatgacaaa catcctgaac gaaaacatca cttgagagac aacttggggg accgcctttc	420
attatgtgtg ctagaggaga aacagcaata catctgtgct tctaaatggt cgtaagaat	480
atgctgttta gaaatatttt tgttatgatt ntaaatgagg tntctttttg tggttcatat	540
ttatatggtc ttggtactat ntttactttc anatattttt aaatatntnt attcattcat	600

024-US1-Sequence Listing.ST25.txt

tntaaatcct gttggtggaa aatgattcaa tatgaataaa tatgtgttta ttcttgaaaa 660
 aaaaanaaaa a 671

<210> 62
 <211> 652
 <212> DNA
 <213> Rattus sp.

<400> 62
 gaggaggcgg tcatgtcaat tctgcacaac ttagagatgg agaactga ggtccatgag 60
 aacaaccata atctgaagaa ggagatacct tctctagaaa cctgctcagc cagctcctga 120
 tggagaacac atgtaggaag aagttggtcc cactgaagca ggagagcaag gaggtacatc 180
 ttgattgtgc actgaaccag aaatatttgg ttgacttcaa caagaaagat aaagaccatc 240
 aacggccaga accagcatta tcaggtctca gaaagtgcaa gagagctgga attggacaca 300
 cagcagtaag agagcttcct gaagaataag ttgctttctc aggagtccct gatgaccaac 360
 atcctgaatg aaaacagcac ttgagagaca acttggggga ccgcctttca ttatgtgtgc 420
 tagaggagaa acagcaatac gtctgtgctt ctaaagtgtc gttaagaata tgcttttaga 480
 aatatttttg ttatgattta tttgaagttt tctttttggt gggtcatatt tatatgttct 540
 tgttactatt ttacttttc aatattttta atatttttat tcatttaatc ctgttttggt 600
 ggaaaaatgt atttgttatg aataaaaatt gaattctaaa aaaaaaaaaa aa 652

<210> 63
 <211> 662
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(800)
 <223> n

<400> 63
 ggagagaatg gaggaggcgg tcatgtcaat tctgcacaac ttagagatgg agaactga 60
 ggtccatgag aacaaccata atctgaagaa ggagattacc ttctctagaa acctgctcag 120
 ccagctcctg atggagaaca catgtaggaa gaagttgggtc ccactgaagc aggagagcaa 180

024-US1-Sequence Listing.ST25.txt

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ggagggtacat cttgattgtg cactgaacca gaaatatttg gttgacttca acaagaaaga      240
taaagaccat caacggccag aaccagcatt atcaggtctc agaaagtgca agagagctgg      300
aattggacac acagcagtaa gagagcttcc tgaagaataa gttgctttct caggagtccc      360
tgatgaccaa catcctgaat gaaaacagca cttgagagac aacttggggg accgcctttc      420
attatgtgtg ctagaggaga aacagcaata cgtctgtgct tctaaatgtt cgtaagaat      480
atgcttttag aaatatTTTT gttatgattt atttgaagtt ttcttttttg tggttcatat      540
ttatatgttc ttggtactat ntttactttc aaatatTTTta aatatTTTtat tcatntaatc      600
ctgnttttggg gganaaatgt attttgtatg aataaaaaat ggattctaaa aaaaaaaaaa      660
aa                                                                           662

```

```

<210> 64
<211> 650
<212> DNA
<213> Rattus sp.

```

```

<220>
<221> misc_feature
<222> (1)..(800)
<223> n

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```

<400> 64
tgtttttttt tttttttttt tcttgctata gagacttgac tctttgctca acaccatgcc      60
ccacgttttg gagaggaaga tggcaaagac tgaaagcacg atgccggggg tatattgcaa      120
caccatcaaa acagagccca tagctgcctg cccccgggta tagttagaga caggccgtgt      180
gttacctcta caattaaaac gtacttgtag acttgngngt aagggaccct ccacctatTT      240
caaattctgc cagaagacag aaggatgttc actcaccaat caagaaccct tggcttccta      300
ctcctgactt tgtcgctgga ntgctggcta cagtaccaa cctatgtaga actatcatct      360
tcagtcgagc ctcggtgtaa ttggcagaga ttctgagtca actacatgc agagatctcc      420
gaccctgtct agagacatTT actagaagct gtcttacagc cctgtctttg aggcgagaca      480
cataccaaat gtatgttccc ccaagaggag acacactcta tcttcagata tctgtgaacc      540
cannnnnnna aaaaaaaaaa agcccgcccc ggggggcgca ccttgaatga cacagggggac      600
atggntggct gccccgtata gaaagcccca gcttnaacac agnaaatgtg                    650

```

024-US1-Sequence Listing.ST25.txt

<210> 65
 <211> 484
 <212> DNA
 <213> Rattus sp.

<400> 65
 cagaagcagt tagaagtcatt caatgctatt gtggacccca gcatgaaccc cgacctactg 60
 atgggaaaca gggctcctgc aggggtccgtt cagccaggac ttgggaaagc ccggccagca 120
 gctcagagct cagcttctcc tgcctcgggtg gacaccttgc tgccagccat gcctctcagg 180
 agcttcccac aacggggcaaa ctgcgggccc cccggcctcc cggagcctgc cttccttcct 240
 gatgctgaga ggtttctgat ctaagctgtg aggcgggcaa ggccagcctt cttgtgcgcg 300
 tgtgtcctgt gcatcaccca tcccatggcc cacctgcctg gctcaggcag ttctgtgaaa 360
 accccacatg tgccataacc catggacggg tgcctcccat tcccaggcct ctctcagcc 420
 agcacccgaa ccacttcatt cagctcatgg ctaccccatc cccacagacc tcctagccca 480
 gcc 484

<210> 66
 <211> 132
 <212> DNA
 <213> Rattus sp.

<400> 66
 tttttttttt tttttttttt ccaaaaaaac agtaaaattt aattttctaaa gaggggttaa 60
 attttccttt ccccccaaaa aattagggag attccagtgt taaaaatgtc ctcaaaattt 120
 ttatgaccct aa 132

<210> 67
 <211> 172
 <212> DNA
 <213> Rattus sp.

<400> 67
 gagaccaaga agcctggcat gaacttgcag aactttatat caatgagcat gactatgcc 60
 aagcagcctt atgcttagag gagctgatga tgacaaatcc acataaccac ttgtactgtc 120
 aacaggacgc agaggtcaaa tacacccaag gtggacttga aaacctgggtg ct 172

024-US1-Sequence Listing.ST25.txt

<210> 68
 <211> 382
 <212> DNA
 <213> Rattus sp.

<400> 68
 aggttgattc ctagcagcca catggagcca aattgtctgt aactctagtt ccaggggtctc 60
 caacatctac ccttgaccat ggctggcact gtgtgtatgt ggtgcacaaa cacacgaagg 120
 cagaacacct aaaaggggta tatgtgctat catttaagtg tctcttaaata gaaaagcctt 180
 caaccaggat ttcatcatta gaaatagaat tgatgtccac cctgtgtcat gggaactgag 240
 aggaagggca gtataaatct gagaggttcc tttgtgtggt ggaccccgaa gaagaaagcc 300
 ccatggctga acagctgttg tctcctccta cccacagct ttccctaata aagggtattgt 360
 tattttgaaa aaaaaaaaaa aa 382

<210> 69
 <211> 53
 <212> DNA
 <213> Rattus sp.

<400> 69
 cttctctaac atgtcgggtg gcgtcacatc agtgttgacc tactcttccg tct 53

<210> 70
 <211> 226
 <212> DNA
 <213> Rattus sp.

<400> 70
 caggaggccc caagagctgc aggctagtgg gtccaggcta aggacttggg aagtgggggtt 60
 cagctcaggc ttggctgcag atgttagatg cagagacttc tgacctgtct aacaattaga 120
 cctgttactg ccagtgtagg gacagatggt ttctttgact tcaagaagcc cattagtgga 180
 aagacatctg acttggtatg ttactaagac agcaataacc ctgtag 226

<210> 71
 <211> 434
 <212> DNA
 <213> Rattus sp.

<400> 71

024-US1-Sequence Listing.ST25.txt

```

tggagctaatt tgcgcgcggc cgcggtacga cgaacctgcg cctattagaa tgagtggaat      60
gcctccatcc ctcaatcgtc tgaagtgatc tgtagctaa gagcatggct cccagggggc      120
cgtcctcagc cacttggtact cctgggctag ccttggtcata agatgccacc tggacactga      180
tggagtattg gagcagcagg cctgggtcct gacctaaact gacagctcag actctgcagg      240
agtctgctgg aaatccaaca tcttactcaa caactgccgg ccagatgggc gtgggcgagg      300
gtgggccaag acaggggtgcc ttatactttg ttctagcaca ttccaaggta tttcagggcg      360
tcagcacctg gaatcccata tgtcaaagcc agtattaaag caagtttatg cattcctcga      420
aaaaaaaaaa aaaa                                                    434

```

```

<210> 72
<211> 569
<212> DNA
<213> Rattus sp.

```

```

<400> 72
agctaattgc ggcgcggcgc ggtacgacga acctgcacct ctgtcttctg cccccctccc      60
ttggacacat tcacacctac ctctaggaga gattggggat acctttagct ctctgaccga      120
ggaccaagcc tctgactcag acctgtatat ggcaccaagt tacaaccctt tccaaaaggc      180
tcttcccagg ggagcacttg gcattttctg gcagacccca ttatcccttt cccaatgccc      240
tctctctgac tttgagcatc aggccagact gcctgagatc tggtgccctgc cacagtgcct      300
ggccaggggt gaggccttgg ttaccttctg ttgtatttgt gtggatagat gggcagctaa      360
caattgtaac aggtcctagg gtcagatgtg gatggctctca tacagtggct tctaattggag      420
aatgtatctg aacccatata aaatcacctc actgtatttt tctcttcctt aacctgttaa      480
ctagccattg ttgtaggggg cttttgcaca gtgcctcact gtctcacatg ctaagtaaag      540
gaactcctgc tttcaaaaaa aaaaaaaaaa                                     569

```

```

<210> 73
<211> 552
<212> DNA
<213> Rattus sp.

```

```

<400> 73
acctctgtct tctgcccccc tcccttgac acattcacac ctaccttag gagagattgg      60

```

024-US1-Sequence Listing.ST25.txt

ggataccttt agctctctga ccgaggacca agcctctgac tcagacctgt atatggcacc	120
aagttacaac cctttccaaa aggctcttcc caggggagca cttggcattt tctggcagac	180
cccattatcc ctttcccaat gccctctctc tgactttgag catcaggcca gactgcctga	240
gatctgggtgc ctgccacagt gcctggccag ggggtgaggct ttgggttacct tctgttgat	300
ttgtgtggat agatgggcag ctaacaattg taacagggtcc tagggtcaga tgtggatggt	360
ctcatacagt ggcttctaata ggagaatgta tctgaaccca tatcaaata cctcactgta	420
tttttctctt ccctaacctg ttaactagcc attgttgtag ggggcttttg cacagtgcct	480
cactgtctca catgctaagt aaaggaactc ctgctttcaa aaaaaaaaaa aaaagggcc	540
ccctttaaac gg	552

<210> 74
 <211> 188
 <212> DNA
 <213> Rattus sp.

<400> 74	
tttttttttt tttttttttt tttttttcat gggaaaaaaaa aaagggttta aaaaatggct	60
tgaaaccg gggggggggg ccaaaaccct ccttttttaa taaaccttta ccgaagaagg	120
gttttcaaaa gggggggggg gggggggggc cccctccgc ccttttaggt ttgggggggg	180
gggggaaa	188

<210> 75
 <211> 182
 <212> DNA
 <213> Rattus sp.

<400> 75	
tttttttttt tttttttttt tttttcgaaa aaaaaaaaaagg ggtaaaaaaaaa ggggttgaaa	60
cccagggggg gggggccaaa accctccttt tttaataaac ctttaccgaa gaagggtcct	120
ccaaaggggg gggggggggg gggcccccca cccgcccttt cagggttggg gggggggggg	180
aa	182

<210> 76
 <211> 293
 <212> DNA

024-US1-Sequence Listing.ST25.txt

<213> Rattus sp.

<400> 76

cgaatacaga ccgtgaaagc ggggcctcac gatccttctg accttttggg ttttaagcag	60
gagggtgtcag aaaagttacc acagggataa ctggcttgtg gcggccaagc gttcatagcg	120
acgtcgcttt ttgatccttc gatgtcggct cttcctatca ttgtgaagca gaattcacca	180
agcgttggat tgttcaccca ctaataggga acgtgagctg ggattagacc gtcgtgagac	240
aggttagttt taccctactg atgatgtgtt gttgccatgg taatcctagt cag	293

<210> 77

<211> 295

<212> DNA

<213> Rattus sp.

<400> 77

cgaatacaga ccgtgaaagc ggggcctcac gatccttctg accttttggg ttttaaggcc	60
aggaggtgtc agaaaagtta ccacagggat aactggcttg tggcggccaa gcgttcatag	120
cgacgtcgct ttttgatcct tcgatgtcgg ctcttcctat cattgtgaag cagaattcac	180
caagcgttgg attgttcacc cactaatagg gaacgtgagc tgggattaga ccgtcgtgag	240
acaggttagt ttaccctac tgatgatgtg ttgttgccat ggtaatcctg ctgag	295

<210> 78

<211> 199

<212> DNA

<213> Rattus sp.

<400> 78

ctgcagatat cgggactacc gggaccgcc gcattctttg gctccctatg gctacacact	60
gcagttctgg catgtcctcg cagctcggct ggctttcatc attgtgtttg agcacctcgt	120
gttttgtata aagcacctca tttcctatct gataccagac ctcccgaag atctaaggga	180
ccggatgagg agagagaag	199

<210> 79

<211> 404

<212> DNA

<213> Rattus sp.

<220>

024-US1-Sequence Listing.ST25.txt

<221> misc_feature
<222> (1)..(800)
<223> n

<400> 79

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ggcccttttag ccttggtttta cacttgcagc acctacttct gctgggggttc aactcagtgc    120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca cataaaagaa      180
acaaaataacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcagcag      240
atataacttt acaattataa aagagctaaa ccagaaccac caatcagtgt ctaagtgcga      300
atctaataaa cactgcctct ctgcagctct taccagcttt ctgnngtggt acacacactc      360
acacacgcgc acacacacac acacgcgctc cctcctactg tgng                          404
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<210> 80
<211> 402
<212> DNA
<213> Rattus sp.

<400> 80

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ctttaatagc catggcctta tagacggtgg ccacgcggcc tgcacaggct gtgtgcatta      60
ggcccttttag ccttggtttta cacttgcagc acctacttct gctgggggttc aactcagtgc    120
acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa      180
acaaaataacc tctatttttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa      240
tataacttta caattataaa agagctaaac cagaaccac aatcagtgtc taagtgtgaa      300
tctaataaac actgcctctc tgcagctctt accagctttc tgggttggtta cacacactca      360
cacacgcgca cacacacaca cacgcgctcc cttctactga gg                          402
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<210> 81
<211> 403
<212> DNA
<213> Rattus sp.

<400> 81

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ctttaatagc catggcctta tagacggtgg ccacgcggcc tgcacaggct gtgtgcatta      60
ggcccttttag ccttggtttta cacttgcagc acctacttct gctgggggttc aactcagtgc    120
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024-US1-Sequence Listing.ST25.txt

acagcacttg cttagcctat gtgagaccct gcacttaatg cccagcacca caaaaaagaa 180
 acaaaatacc tctattttaa gatgatgctt aagaattatc ctattacaaa gcagcaaaaa 240
 taataacttt acaattataa aagagctaaa ccagaacca caatcagtgt ctaagtgtga 300
 atctaataaa cactgcctct ctgcagctct taccagcttt ctgggttggt acacacactc 360
 acacacgcgc acacacacac acacgcgctc cctcctactg agg 403

<210> 82
 <211> 349
 <212> DNA
 <213> Rattus sp.

<400> 82
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 gtttggttgg cgttttgcat tatcacacaa ttggagctcc ttactgtgtg agccagcctt 120
 ctcgacgccc ggtgatTTTT ttttaaaaga tgtcatgtct gactcaatac aataatgtca 180
 tcttaaattt tggcccctta tttgaatact atagctacaa tcaaaataat ttgttaaatt 240
 gcttatatta agagtaaaca tggatatgac attggttgtc cacctgcaaa ctttagaaca 300
 atttactgta gcttgatgct tagccaattt taagtgagga attcaacat 349

<210> 83
 <211> 118
 <212> DNA
 <213> Rattus sp.

<400> 83
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 ttcactctcc tcctactctt cctcttcttc ctctctctca ctgctgtgct gaccctcg 118

<210> 84
 <211> 155
 <212> DNA
 <213> Rattus sp.

<400> 84
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 gacagcaggc tagccttggg acctttttgt ggagtagttt gcagttaggt aacggtgcaa 120
 taaagtacag caagcgtgaa aaaaaaaaaa aaagg 155

024-US1-Sequence Listing.ST25.txt

<210> 85
 <211> 533
 <212> DNA
 <213> Rattus sp.

<220>
 <221> misc_feature
 <222> (1)..(600)
 <223> n

<400> 85
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 tatggctcct taaactgatt gcctaaccaa ccaagggcaa ttcccatcca tccatcacat 120
 gggttgtggg aaggatgcag ccatggtgtg cagcttcctt catgaaggat tatctggcca 180
 tggtagctga ctgcttcaca acttgctgtc actctgggtg agataatgtg tctttaaaaa 240
 cagtccttgt ggcaggtcac tgggatataa tgtacaacat tcttagccat catttctttt 300
 cttttttttt cttttttttg gtttgccctg agagactccc agtggtttct actgagggct 360
 aaagggacga gctgttcctt cattgagcaa gaccgttcgc tgttcatgat gtgttttatg 420
 atggcttctt tgggagttgc ttcttcaaca gtctcaactg tgctgnngga tctcctgatg 480
 ctgacttttg accttcgttt tattaact aattagtga aaaaaaaaaa aaa 533

<210> 86
 <211> 123
 <212> DNA
 <213> Rattus sp.

<400> 86
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 ttccctatct ctgctgtaga gaaacaagta aattttctta gagaatgaaa aaaaaaaaaa 120
 aaa 123

<210> 87
 <211> 347
 <212> DNA
 <213> Rattus sp.

<400> 87

024-US1-Sequence Listing.ST25.txt

aatcttttga cgagagcgtg ccatcatgct gttggaaggc cagaaagtgg tcccccgag	60
gacactggcc acgggctacc agtattcctt cccagagtta ggagctgcct taaaggatgt	120
tgtaacctaa gtagagaagg gagccccaag gcaggagggtg gggcctgttc ctgcattctg	180
agaagtgagt caggtgattg ctgtgcttga ctgagatcag aagccatctg gctcttagac	240
tctctctctc tcccctttct tcccatgttc tgttgatcca cctctctcca agaaactcca	300
gtctcaagga tctaattctca ttctaacctt aacctcctca acttctt	347

<210> 88
 <211> 438
 <212> DNA
 <213> Rattus sp.

<400> 88	
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gacactggcc acgggctacc agtattcctt cccagagtta ggagctgcct taaaggatgt	120
tgtaacctaa gtagagaagg gagccccaag gcaggagggtg gggcctgttc ctgcattctg	180
agaagtgagt caggtgattg ctgtgcttga ctgagatcag aagccatctg gctcttagac	240
tctctctctc tcccctttct tcccatgttc tgttgatcca cctctctcca agaaactcca	300
gtctcaagga tctaattctca ttctaacctt aacctcctca acttcttgtg gcttctgtgt	360
cacattgttg ccttggttct cctacatgct atgtagacaa agttctacag ttgtggcaat	420
aaaggtagac tgtgtctg	438

<210> 89
 <211> 90
 <212> DNA
 <213> Rattus sp.

<400> 89	
tggagcta at tgcgcgcggc cgcggtacga cgaacctgcg acgtgagacc gttttaataa	60
aagtgccacc ttacaaaaaa aaaaaaaaaa	90

<210> 90
 <211> 121
 <212> DNA
 <213> Rattus sp.

024-US1-Sequence Listing.ST25.txt

<400> 90
ctcgtagagg cacagcgaat atgcgaaatt gcactctcgc aaacaagact ccgtcaacat 60
acctaagaca tagagacgcc cgggggagct aggtcaaaag gcatggaacc agcggtcgcc 120
g 121

<210> 91
<211> 469
<212> DNA
<213> Rattus sp.

<220>
<221> misc_feature
<222> (1)..(600)
<223> n

<400> 91
ggtcgacggg agccgcggca gccgaacacg cacagagctg cgctttcccc aaagcgaagg 60
gtaggaaatg gaaagggcct tgcggccggg aatggctgag ctaggctcct gcagctacca 120
actccaggca gtttaaagca cttttcttgc acgccccgac ctcgtgagtg gagtctagct 180
ggagaaacaa aggctcttct ttgtagaaag aactctccca caaagagaga aaaattctct 240
caagagaagc tgtgacttgc ctttgggtca cacgtggcaa actctcccgt gaacccgaga 300
cccagagcca aggcctttat ctccgtaaca gttatccctg taaagaattc tcttgtgagt 360
cctttacagt tactctggca tctcatatgt atgcgtatat gcatcagatg aactgggttc 420
catccctttg atgttctata aatagactct atcacggann aaaaaaaaaa 469

<210> 92
<211> 415
<212> DNA
<213> Rattus sp.

<400> 92
agggtaggaa atggaaaggg ccttgcggcc gggaatggct gagctaggct cctgcagctc 60
ccaactccag gcagtttaaa gcacctttct tgcacgcccc gacctcgtga gtggagtcta 120
gctgaagaaa caaaggctct tctttgtaga aagaactctc ccacaaagag agaaaaattc 180
tctcaagaga agctgtgact tgcccttggg tcacacgtgg caaactctcc cgtgaacccg 240
agaccagag ccaaggcctt tattcccgga taacagttat cctgttaaag aattctcttg 300

024-US1-Sequence Listing.ST25.txt

tgagtccttt acagttactc tggcatctca tatgtatgcg tatatgcatc agatgaactg 360
 ttttccatcc ctttgatggt ctataaatag actctatcac ggaaaaaaaa aaaaa 415

<210> 93
 <211> 347
 <212> DNA
 <213> Rattus sp.

<400> 93
 ggagctaatt gcgcgcggcc gcggtacgac gaacctgcgc atggatacga agtgggggtgg 60
 gagaagctca cccactgtga cttttaagaa ctctgtgtg atgggaggaa ggtacagggt 120
 cctcaccatc cccagccctt cctctggatg aggatgtgaa ggacagaggc atctccaaaa 180
 tgggctactt ttggtataga ccttaggagt gtggggctgg tgtaagctct tggttccttt 240
 aaaaggagaa ttttatTTTT ttttgttcag ttttagacatt cctggatgca gtttgattgg 300
 ttaaattaaa agttgatttt tttttccagt aaaaaaaaaa aaaaaaa 347

<210> 94
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(600)
 <223> n

<400> 94
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 tgttgggctc ctaccaccct ggcgtcttcc gtggggacaa gtggagctgc tgccacccaaa 120
 aagagaagac aggtcagggc tgcgataaga cccggncacg ggtgaccctg caggagtgga 180
 atgaccctnt tgaccgtgac cttgaggccc anctcatcta ccggcacctg ctgggcgngg 240
 aggccatgct gtg 253

<210> 95
 <211> 159
 <212> DNA
 <213> Homo sapiens

024-US1-Sequence Listing.ST25.txt

<220>

<221> misc_feature

<222> (1)..(600)

<223> n

<400> 95

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ctgcggtcac tcaacagtgc cccactgtgg cgtgatgtca ttgccacctt cacagaccac 120

tgcatacaagc agctgccatt cccttatcgt cgtcgtcct 159

<210> 96

<211> 220

<212> DNA

<213> Homo sapiens

<400> 96

gataagagaa tccttcatct ttgacctggc tttttttcgc cctttgggag ataaagggtcc 60

ctctccaccc tctactaaca ctctgcaccc aaggccttat cctttgggggt caccagctcc 120

ttggccattt ctatgtgatt tccccaccc atctgagttc cagtttcttc tgggctccaa 180

tctccagtcc ctggcggtac tggtcagtcc caccctagg 220

<210> 97

<211> 212

<212> DNA

<213> Homo sapiens

<400> 97

gataagcaca cggaccttga gctgctccac gtgccccagc acctgagccc gctcttcttc 60

cagggctagc acctctccct ggagcttggt gctaggtgca tcttcgtgct cctgctgggt 120

gctctcagtg ccgctgcaact cctccttgag attttcctca tctgagcgct ccatactctc 180

ccataggcgt tgggtggcaa ctagttagtt ag 212

<210> 98

<211> 100

<212> DNA

<213> Homo sapiens

<400> 98

cattgtcctt gtaatcgatg gacgaatagc ggaaagtcgt gcacgaacac caagtgtctc 60

atagttgggc ttatcgtcgt cgtccttgta atccatggtg 100

<210> 99
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 99
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 gaaactgcct tattgaattg gtcaactgtc agatggttct tcgtggagca gagacagaag 120
 gctgtgtcat tgtgtcagct gccaaagccc aactgctgca gtgccagcac catccagcct 180
 ggtatggtga tacattgaag caaaagacat cctggacttg cctcttggtg gttagttag 239

<210> 100
 <211> 45
 <212> DNA
 <213> Homo sapiens

<400> 100
 ctgcctgcat cctggcccca ggtcttcttg ggggctttgt ctgga 45

<210> 101
 <211> 172
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(200)
 <223> n

<400> 101
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 gggattacag cattaccaac ccagttctgt gccaggtgct gaaactagtt ttgtggtaaa 120
 tacagacata tattctaagg agaaaacgat ttctgcttat cgtcgtcgtc ct 172

<210> 102
 <211> 156
 <212> DNA
 <213> Homo sapiens

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<400> 102

cccgggtggcc agggaaccca cttccaagcg cagggacgcc ggcctccagc tggtttgtgc 60

taaggctccg tcctgactgc cctgtgccct ggaaaagcag caatagcatc cgccccttag 120

agccctctta tcgtcgtcgt ccttgtaatc catggt 156

<210> 103

<211> 118

<212> DNA

<213> Homo sapiens

<400> 103

aagcttgag agatgcgcct gaaggaggcg ggcacggtgg ggagaggagg tgggcaggag 60

gaacggccct ttgtggcccg gtttgattt gacgtggtga cgtgctgtgg atacctcc 118

<210> 104

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(200)

<223> n

<400> 104

ttccttagca gctaagcatt tgaatcagac ttctcatagc antggttatgg gctgtctgat 60

atattcagga tttgttgagc agataagctg tgtgtgatct tactcattct cagccatgcc 120

gcagacatac ccatttcct ttagtaattt ttaatacag agaatgctat taac 174

<210> 105

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(200)

<223> n

<400> 105

aagcacaagc gtggtagtag atcaggtact gtatcaaaga ggcagagggc tgtaagtatg 60

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agtgggctgg gctgcaagac ttctatacca tcctagatca ctagaccgca cccagcatan      120
agatggagga aggaggccc                                                    139

<210> 106
<211> 149
<212> DNA
<213> Homo sapiens

<400> 106
cccttagacc ttccctcaac agaggacact gagcccaacg gagttctggg atgggagggg      60
tgggagcatg ggaagggagg catcccaccc ccaagaagaa ctgaataaag attgctgagc    120
ttatcgtcgt cgtccttgta atccatggt                                       149

<210> 107
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n

<400> 107
cctgtggatt tgacctcaga gataagtggg acagagcttg gtagaagcac cagtgtgggc      60
aaaggtcctg agtctgaaca gaacatggca tgtgaggaat gaagcagcct ggccctaggn    120
gaagctgana aaaccctgca ggtccttgna atccatggt                             159

<210> 108
<211> 128
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(300)
<223> n

<400> 108
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ccagtccttc ccggccgcgg ccgcaccacc ccactccgct tatcgtcgtc gtccttgtaa    120

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tccatgggt

128

<210> 109
 <211> 234
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(400)
 <223> n

<400> 109
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 actatctcct ggttcttagg gatttcttct gtcgaaaaga gttctnaaaa ataacagnaa 120
 cctgagatac catctgttaa atncttaagc aatttcgcat gccttatgag accntgctga 180
 ttaaaaacat ctagtcttgt tttctttttt ttgagacgaa ntctcgctct gtca 234

<210> 110
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 110
 ttcttgagga gcgacatgtg gttgaacgcc tggacgggac acaagcggac caaggaaaga 60
 gtggcatggt ccaccctctc aagggcctag ctatcatgat acgaggcgaa tggg 114

<210> 111
 <211> 227
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(400)
 <223> n

<400> 111
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 aggatgagca gctatccaag tttagttaa gggaaaccac aggctccgag agtgatgggg 120
 gtgactcaag cagcaccaag tctgaagggtg ccaacgggac agtggcaact gcagnaatcc 180

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agcccaagaa agttaagctt atcgtcgtcg tccttgtaat ccatggt 227

<210> 112
<211> 199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(400)
<223> n

<400> 112
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ggagacaaag gttctgcttt ccaccaaacc ttcttcgggtc tgggccctcc cttagcaacc 120
ctggggcttt agactctctc tccaccaatc cctgatgacc ccggtggtgc ctcacaatgg 180
gcattccaag tagcgcccg 199

<210> 113
<211> 252
<212> DNA
<213> Homo sapiens

<400> 113
gataagtttc atttttggaa gggctgcatt aacaaatatt tgatttctta gttcacagtc 60
aaggacctgt tgagaaatct gagctcgact tgtaggctta attagttagt taggatccta 120
actaactagg gacctggaca gcatcttccg ccgtatcagg acgctgaaag ggaaactggc 180
caggcagcac ccagaggcct tcagccatat ccagaggga tccttccttg aggaagagga 240
tgcttatcgt cc 252

<210> 114
<211> 161
<212> DNA
<213> Homo sapiens

<400> 114
gataagccag ggggcagaag gtagagccca tggggctgct ctggctgtag gtttaggccc 60
agcaccctc ccgaggcagc ataagcagga gagaagaagg ctagtccttg gcaccacaag 120

gccccgaggg cagccacagc ctcggcctgg tagttagtta g 161

<210> 115
 <211> 161
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(161)
 <223> n

<400> 115
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 ggactagcct tcttctctcc tgcttatgct gcctcgggag ggggtgctggg cctaaacctta 120
 cagccagagc agcccatgg gctctacctt ntgcccctg g 161

<210> 116
 <211> 184
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(200)
 <223> n

<400> 116
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 agtcctaagc gctgcccgcga gggtcgcat gtctgccagg tactgctggc tggctctaga 120
 caccagcagc agtgataaga aacaaagcag aggagacgtt gaggcagcag agacagcaga 180
 tccg 184

<210> 117
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)..(200)
 <223> n

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<220>
 <221> misc_feature
 <222> (1)..(300)
 <223> n

<400> 117
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 tcaaactttc cttaaagttc tcattgcctt tgcactgctt ctgtgaacag tctttgtctc 180
 ctccccacct ttggtgggaa gtgcgngnca gtcttgggtca agacactcat gccctggcaa 240
 tgtggctgcc tagttagtta g 261

<210> 118
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 118
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 atgaaaatca gacgataggg cctcctgttg taatcttata gtcgtcgtcc ttgtaatcca 120
 tggt 124

<210> 119
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 119
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 cgtcccgggtc ggcagtgagg atgaagcggc catcaggact cacagccaca tctaacagca 120
 tagacagggtg cccagctct agacggccac acccgtgtgg ctccagcacc gaaaaggagt 180
 agacgtctcc agacttgtcg gccaccaaga ccttctcctc cgaggctatg aaagtcag 238

<210> 120
 <211> 137
 <212> DNA
 <213> Homo sapiens

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<220>
<221>  misc_feature
<222>  (1)..(200)
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<400>  120
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accctgngaa ttaggggaaa ggagagccac atggagtgca aggtgggtgaa aacggtggag    120
ggccaggact gctgaac                                                         137

<210>  121
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<212>  DNA
<213>  Homo sapiens

<400>  121
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tacagttcct ttgaacaggg tagttagtta g                                         91

<210>  122
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<212>  DNA
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<220>
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<222>  (1)..(200)
<223>  n

<400>  122
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tgtccaaaga ggggaggaaa acatccatca aatctcatnn gtctgggtct ccaggccctg    120
gtggnagcaa cacatTTTTN atccacacca gtcattgggg gcagtgataa g                171

<210>  123
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<212>  DNA
<213>  Homo sapiens

<400>  123
gccgatgcaa caaccacatt gactccaagg acaatctaaa attgaactca aggcagcacc      60

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024-US1-Sequence Listing.ST25.txt

taacaagtct ctcgtgcttg caccctcctt ctaggcccac ctaaaagcct ctctgcctca 120
ggcgttctcc cagaagatct gccactctc ttccccacac cagcc 165

<210> 124
<211> 174
<212> DNA
<213> Homo sapiens

<400> 124
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aggaaatgag tagaagttca caagcaaccc agaatagggtg ccagcagttt gctccagtgg 120
gccacaccac agcagcagct caggctctgc agaatcactg tgtccagtgc ttcc 174

<210> 125
<211> 158
<212> DNA
<213> Homo sapiens

<400> 125
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acctcagggc tcagtgcatt agttgaagct gcctttct 158

<210> 126
<211> 124
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)..(200)
<223> n

<400> 126
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atct 124

<210> 127

024-US1-Sequence Listing.ST25.txt

<211> 180
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<400> 127
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 tgtgggttaga gcagccagcg ggtacagaat ggattttgga agagggagtc accactggac 120
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<210> 128
 <211> 209
 <212> DNA
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<220>
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<400> 128
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 acggagctgg agaaggcagt cnttgtcct 209

<210> 129
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)..(300)
 <223> n

<400> 129
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024-US1-Sequence Listing.ST25.txt

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<220>
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<210> 131
 <211> 120
 <212> DNA
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<400> 131
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